Saugat Adhikari

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Education

Texas Tech University   **Lubbock, Texas**

B.S. Computer Science | Mathematics (Minor)   **Graduation: Dec 2019**

- **Cumulative GPA:** 3.95/4.0
- **Relevant Coursework:** Algorithms, Data Structures, Theory of Automata, Software Engineering, Computer Architecture, Operating Systems, Proof & Mathematical Reasoning, Differential Equations, Probability & Statistics

Experience

Cummins Inc.   **Indianapolis, Indiana**

Software Engineer Intern | Digital Accelerator

- Designed & developed a monitoring system to quickly discern the health of the production environment using native tools to the AWS Cloud Platform, and working as a dedicated SCRUM team; Automated and deployed using AWS CloudFormation
- Facilitated with visual monitoring in the production environment using Amazon QuickSight
- Retained historical data on CloudWatch Logs to perform analytics using CloudWatch Insights
- Performed Unit testing, Integration testing, System testing, and User Acceptance Testing
- Delivered an increase in customer confidence in products, and reduced downtime by alerting support before user notices the issue

Texas Tech University   **Lubbock, Texas**

Undergraduate Researcher | CS Department

- Programmed a reddit crawler to scrap data of subreddits such as opiates, drugs for study on drug addiction and its recovery
- Cleaned and prepared data using pandas, NumPy modules to manipulate, analyze and visualize user statistics

Texas Tech University   **Lubbock, Texas**

Student Assistant | Hospitality Services

- Provided Customer satisfaction with in-person interaction to 250+ customers on a weekly basis
- Balanced a rigorous course load with 15-20 hours of employment per week

Independent Projects

Dristi

- Web application that facilitates user with movies released near user location, offers movies based on user preference, and a feature to send an invite to friends/family
- Technologies: Flask framework, SQLAlchemy, HTML, CSS

Communication Problem

- Researched, as part of a team, over 3 different school communication system strategies for a middle school with an average of 800 students
- Pioneered a final deliverable to the audience of 6 stakeholders to persuade Gradelink, a cloud-based student information system

Leadership

Secretary | Nepal Students' Association—Texas Tech University

- Handled correspondence, organized meetings, and logistical fulfillment for 10+ events open for all 100+ association members
- Increased organization funding by 50%

Skills & Interests

- **Languages/Technologies:** Proficient in Python, Java, C++, and SQL. Familiar with NumPy, Pandas, and JavaScript. Experienced with Git, AWS, AWS SAM CLI, Scaled Agile Framework, React, Docker, Jira, Apache Maven, Junit, Eclipse, VSCode, and Anaconda

Soft Skills

- Proven communicator
- Conflict management
- Multilingual
- Flexibility & Agility

Honor & Awards

- **Cummins Innovation and Technology Invention Challenge:** 1st Runner Up
- **Presidents' List:** 5 semesters | **Deans' List:** 3 semesters
- **Proven Achievers Award:** $13,000 | **Office of International Affairs:** $1000 | an academic distinction
- **Sustainability Scholarship:** $1000 | contribution to sustainability, and involvement in Reduce, Reuse & Recycle at Texas Tech